

Converting Colors

XYZ(15.8948, 24.7016, 22.2333)

Have a look what the booklet for
XYZ(15.8948, 24.7016, 22.2333)
contains.

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Color

**XYZ(15.9003, 24.7012,
22.3421)**

Conversions

Conversions Part 1

Format	Color
Hex	2B997A
RGB	43, 153, 122
RGB Percent	17%, 60%, 48%
CMY	0.8314, 0.4000, 0.5216
CMYK	0.72, 0.00, 0.20, 0.40
HSL	163°, 56%, 38%
HSV	163°, 72%, 60%
XYZ	15.9003, 24.7012, 22.3421
YIQ	116.5760, -55.6090, -32.9610

Conversions

Conversions Part 2

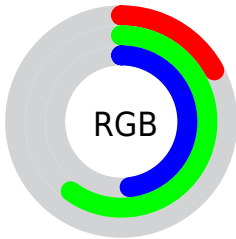
Format	Color
R_{YB}	43, 107, 153
Decimal	2857338
CIE _{Lab}	56.78, -38.22, 7.52
CIE _{LCh}	57, 38.951, 168.863
Y _{xy}	24.7012, 0.2526, 0.3924
Android (android.graphics.Color)	4281047418 (0xFF2B997A)
YUV	116.5760, 2.6740, -64.5262
Hunter-Lab	49.7003, -29.8692, 8.1372

Details

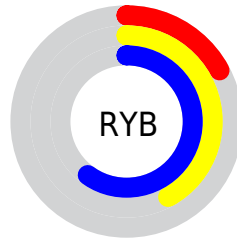
The XYZ color **15.9003, 24.7012, 22.3421** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.2375, 8.9950, 7.4124**, and the grayscale version is **16.7824, 17.6564, 19.2278**.

A 20% lighter version of the original color is **35.9048, 51.1108, 48.0174**, and **5.8563, 9.7884, 7.8840** is the 20% darker color. If you saturate the color by 10%, you get **15.1140, 24.3267, 20.9418**, and if you desaturate by 10%, it is **16.9404, 25.2065, 23.8173**.

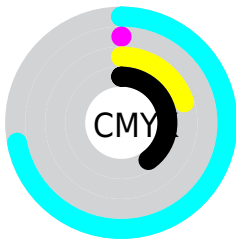
Distribution



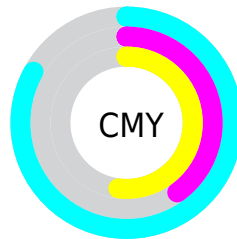
- Red (17%)
- Green (60%)
- Blue (48%)



- Red (17%)
- Yellow (42%)
- Blue (60%)



- Cyan (72%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)



- Cyan (83%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9003, 24.7012, 22.3421 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 15.9003, 24.7012, 22.3421 by changing the saturation by 10% instead.

■ 15.9003, 24.7012,
22.3421

■ 15.9003, 24.7012,
22.3421

222.0347,
276.3466, 277.3392

■ 9.5440, 15.8546,
13.9078

■ 35.9839, 51.1721,
48.2202

■ 5.1576, 9.4213,
7.9185

■ 50.4419, 69.5651,
66.5010

■ 2.3758, 5.0170,
3.9558

■ 68.3312, 91.9091,
88.9011

■ 0.8330, 2.2572,
1.6011

■ 90.0172, 118.5884,
115.8390

■ 0.0000, 0.7509,
0.2916

■ 115.8652,
149.9874, 147.7332

■ 0.0000, 0.0000,
0.0000

■ 146.2405,

186.4905, 185.0023

181.5085,
228.4821, 228.0648

■ 15.9003, 24.7012,
22.3421

■ 15.9003, 24.7012,
22.3421

■ 15.1140, 24.3267,
20.9418

■ 16.9404, 25.2065,
23.8173

■ 14.5509, 24.0652,
19.6124

■ 18.2567, 25.8521,
25.3676

■ 14.1997, 23.9066,
18.5841

■ 19.8710, 26.6499,
26.9953

■ 21.8028, 27.6100,
28.7020

■ 24.0694, 28.7413,
30.4893

■ 26.6872, 30.0522,
32.3587

■ 29.6714, 31.5504,
34.3117

■ 33.0361, 33.2434,
36.3495

■ 36.7950, 35.1380,
38.4735

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.4883, 24.7012, 13.5547



15.9003, 24.7012, 22.3421



16.1367, 24.7012, 35.8323

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.9003, 24.7012, 22.3421



26.4201, 24.7012, 58.2381



29.7134, 24.7012, 12.0990

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.9003, 24.7012, 22.3421



15.2375, 8.9950, 7.4124

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.7634, 24.7012, 19.5836



15.9003, 24.7012, 22.3421



30.6990, 24.7012, 46.9649

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.9003, 24.7012, 22.3421



21.8288, 24.7012, 59.7122



33.1457, 24.7012, 32.0288



25.2077, 24.7012, 9.0463

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.9003, 24.7012, 22.3421



17.3056, 24.7012, 45.8694



33.1457, 24.7012, 32.0288



30.9665, 24.7012, 14.0427

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.9010, 24.7022, 22.3427



42.8687, 51.3528, 54.4240



14.6649, 24.4204, 6.2265



9.2363, 11.2245, 11.8423



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.9010, 24.7022, 22.3427



26.4360, 43.2699, 36.1056



14.6190, 18.5588, 32.9499



6.3103, 6.9968, 7.5574



11.7501, 19.7635, 15.4363



0.1909, 0.3016, 0.3111

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.2375, 8.9950, 7.4124



25.2447, 13.4742, 8.1177



15.5709, 10.9419, 3.5771



6.2768, 6.2499, 6.8378



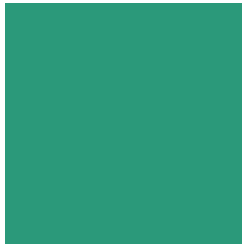
11.2324, 5.7472, 2.4829



0.1820, 0.0916, 0.1113

Previews

White Background



This preview shows how the XYZ color 15.9003, 24.7012, 22.3421 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 15.9003, 24.7012, 22.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9003, 24.7012, 22.3421

Background



This preview shows how black text looks on a background with the XYZ color 15.9003, 24.7012, 22.3421.



This preview shows how white text looks on a background with the XYZ color 15.9003, 24.7012,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.9003, 24.7012, 22.3421

Protanopia

22.9723, 24.3598, 19.1139

Deuteranopia

24.7096, 24.3442, 23.4752



Tritanopia

18.8595, 24.7100, 37.0332

Trichromacy



Original Color

15.9003, 24.7012, 22.3421

Protanomaly

18.8888, 23.7328, 20.1083

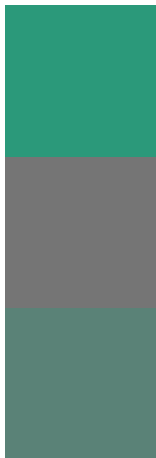
Deuteranomaly

19.6164, 23.3907, 22.8830

Tritanomaly

17.6160, 24.6723, 31.0279

Monochromacy



Original Color

15.9003, 24.7012, 22.3421

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.5289, 19.4708, 20.3926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9003, 24.7012, 22.3421 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(43, 153, 122)` looks like.

```
.text, #text, p{  
    color:rgb(43, 153, 122)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(43, 153, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 153, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.9003, 24.7012, 22.3421 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(43, 153, 122) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(43, 153, 122) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(43, 153, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 153, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 153, 122);  
box-shadow:4px 4px 4px 4px rgb(43, 153,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9003, 24.7012, 22.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 153, 122) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(43, 153,  
122) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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